

Optical Specification Guide

C3 & Cyclops Integrator Submersible Fluorometers

P/N	Application	MDL	Dynamic Range	LED (CWL)	Excitation	Emission	Sol. Std.
2300-251	CDOM/FDOM	0.15 ppb** 0.5 ppb***	0-1250 ppb** 0-5000 ppb***	365 nm	325/120 nm	470/60 nm	2300-902
2300-200	Chl <i>in vivo</i>	0.025 µg/L	0-500 µg/L	460 nm	465/170 nm	696/44 nm	2300-901
2300-220	Fluorescein Dye	0.01 ppb	0-500 ppb	460 nm	400/150 nm	545/28 nm	2300-901
2300-253	Oil - Crude	0.2 ppb***	0-2700 ppb ***	365 nm	325/120 nm	410-600 nm	2300-902
2300-255	Oil - Fine	10 ppb* 10 ppm****	>10,000 ppb * >100 ppm****	285 nm	≤ 290 nm	350/55 nm	2300-902
2300-252	Optical Brighteners for Wastewater Monitoring	0.6 ppb ***	0-15,000 ppb ***	365 nm	325/120 nm	445/15 nm	2300-902
2300-231	Phycocyanin (Freshwater Cyanobacteria)	2 ppb ^{PC}	0-40,000 ppb ^{PC}	590 nm	≤ 595 nm	≥ 630 nm	2300-901
2300-230	Phycoerythrin (Marine Cyanobacteria)	0.15 ppb ^{PE}	0-750 ppb ^{PE}	525 nm	515-547 nm	≥ 590 nm	2300-901
2300-210	Rhodamine Dye	0.01 ppb	0-1000 ppb	530 nm	535/60 nm	590-715 nm	2300-901
2300-256	Tryptophan for Wastewater Monitoring	3 ppb	>20,000 ppb	285 nm	-	350/55 nm	2300-902
2300-240	Turbidity	0.05 NTU	0-3000 NTU	850 nm	850 nm	850 nm	N/A
2300-250	PTSA	0.1 ppb***	0-650 ppb***	365 nm	325/120 nm	405/10 nm	2300-902

* 1,5-Naphthalene Disulfonic Disodium Salt

** Quinine Sulfate

*** PTSA (1,3,6,8-Pyrenetetrasulfonic Acid Tetrasodium Salt)

**** BTEX (Benzene, Toluene, Ethylbenzene, Xylenes)

^{PC} Phycocyanin pigment from Prozyme diluted in Deionized water

^{PE} Phycoerythrin pigment from Prozyme diluted in Deionized water